

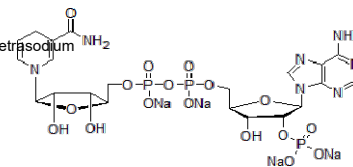
# Certificate of Analysis



## Product Identification

**Catalog number** HB4469  
**Compound name** NADPH tetrasodium salt  
**Chemical name**  $\beta$ -Nicotinamide adenine dinucleotide 2-phosphate reduced tetrasodium salt  
**Batch number** E2063-1-1  
**Batch molecular formula**  $C_{21}H_{26}N_7Na_4O_{17}P_3 \cdot 6H_2O$   
**Batch molecular weight** 941.45

## Chemical Structure



## Method

## QC requirement

## QC Result

<b>NMR</b>	1H NMR in D <sub>2</sub> O at 400 MHz consistent with structure	Meets specification
<b>Mass spectrum</b>	Electrospray negative analysis consistent with structure	Meets specification
<b>Microanalysis</b>	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
<b>Physical appearance</b>	White to off-white solid	Meets specification: Off-white solid
<b>Solubility</b>	Soluble in water (50 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

16/09/2022

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.